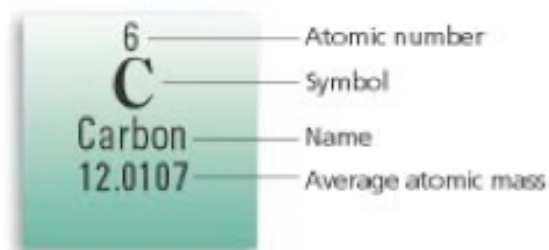


**Agenda for Week of: December 10, 2012**

**Character Theme: Courage**

**Guiding Questions:**

- 1) How are the atoms of all elements alike?
- 2) How does the periodic table help us learn about atoms & elements?
- 3) Which elements does the body contain?



Date	Objectives	Vocabulary	Homework is assigned this day & is due the next day, unless otherwise noted:
Mon, 12/10	<b>Atomic Model:</b> State the charge, mass, and location of each part of an atom according to the modern model of the atom.	Nucleus Charge <u>Subatomic particles:</u> -Neutron -Proton -Electron  Atomic number = # of _____  Mass number = # of _____ + _____	(1) Read Chapter 4.1 of your textbook: pages 104-106 & 116.  (2) Copy Figure 4 and the table from p. 106.  (3) Define vocabulary (due Friday)
Tues, 12/11	<b>Bohr Model:</b> Compare and contrast Bohr's model with the modern model of the atom	Electron <i>energy level</i>  Electron <i>orbital</i>  Valence electron	(1) Read textbook pp. 107-110 (2) Answer p. 110 #4-7. BONUS: #8 ☺ (3) Define vocab. (due Fri)
Wed, 12/12	<b>Periodic Table:</b> Relate the organization of the periodic table to the arrangement of electrons within an atom.	Periodic Law  Period  Group (family)  Ion	(1) Read Chapter 4.2 of your textbook: pages 110 – 114. (2) Define vocab. (due Fri)
Thurs, 12/13	<b>Ions vs. Isotopes:</b> Explain why some atoms gain or lose electrons to form ions, & define "isotope"	Atomic mass unit (amu)  Isotope  Average atomic mass	(1) Read Chapter 4.2 of your textbook: pages 115, 117-119. (2) Define vocab. (due Fri)
Fri, 12/14	<b>Putting it all together:</b> Describe how many protons, neutrons, and electrons an atom has when you're told its symbol, atomic # and mass #.	Bohr Model	(1) Bohr Model Practice problems (Due Monday): Construct Bohr Models for <b>atoms</b> or <b>ions</b> of elements #1-20.

**REMINDERS**

- 1) Textbook: Look for "Science Spectrum" under "High School Textbooks" in SchoolNet (log in using your school ID# as your ID and the password assigned to you. I can reset this for you if need!).
- 2) Calculator: Remember to bring your calculator to class every day! (Cell phones may *not* be used)
- 3) Homework counts for 10% of your grade and SHOULD HELP your grade!
- 4) Have questions? Stay for **tutoring** on Mondays and Thursdays in Room 324 from 2:45 – 3:30.

*Hard work → Success!*